REPUBLIC OF UZBEKISTAN
MINISTRY OF HIGHER EDUCATION, SCIENCE AND INNOVATIONS
KARSHI STATE TECHNICAL UNIVERSITY

CERTIFICATE

In the scientific-technical journal “Digital technologies in industry”

Sitmuratov Tulkinbek Sabirbayevich’s

Awarded for the publication of the article

REVIEW OF 5-HMF SYNTHESIS: CATALYSIS AND TECHNOLOGIES

SANOATDA RAQAMLI TEXNOLOGIYALAR
ilmiy-texnik jurnali

EDITOR

08 November 2025

Date

REPUBLIC OF UZBEKISTAN
MINISTRY OF HIGHER EDUCATION, SCIENCE AND INNOVATIONS
KARSHI STATE TECHNICAL UNIVERSITY

CERTIFICATE

In the scientific-technical journal "Digital technologies in industry"

Rakhmatullina Alevtina Petrovnas

Awarded for the publication of the article

REVIEW OF 5-HMF SYNTHESIS: CATALYSIS AND TECHNOLOGIES

EDITOR

08 November 2025

Date